



COPY OF PAPERS
ORIGINALLY FILED

2172

3/22/02

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Verprauskus et al.

Serial No.: 09/615,905

Filing Date: July 13, 2000

Docket No.: 60001.0141US01/MS150538.1

Title: Converting a Hierarchical Data Structure into a Flat Data Structure

CERTIFICATE UNDER 37 CFR 1.8:

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, with sufficient postage, in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231 on

March 6, 2002.

Leonard J. Mapp

RECEIVED

MAR 20 2002

REVOCATION AND POWER OF ATTORNEY

Technology Center 2100

Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

Please revoke any existing Powers of Attorney, if any, and appoint the following attorneys and/or patent agents to prosecute this application and to transact all business in the U.S.

Patent and Trademark Office in connection therewith:

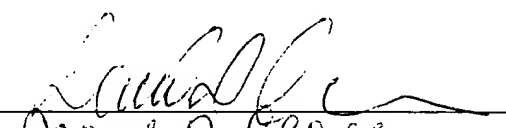
Albrecht, John W.	Reg. No. 40,481	Daley, Dennis R.	Reg. No. 34,994
Ali, M. Jeffer	Reg. No. 46,359	Daulton, Julie R.	Reg. No. 36,414
Altera, Allan G.	Reg. No. 40,274	DeVries Smith, Katherine M.	Reg. No. 42,157
Anderson, Gregg I.	Reg. No. 28,828	DiPietro, Mark J.	Reg. No. 28,707
Batzli, Brian H.	Reg. No. 32,960	Doscotch, Matthew A.	Reg. No. P-48,957
Beard, John L.	Reg. No. 27,612	Edell, Robert T.	Reg. No. 20,187
Berns, John M.	Reg. No. 43,496	Epp Ryan, Sandra	Reg. No. 39,667
Branch, John W.	Reg. No. 41,633	Glance, Robert J.	Reg. No. 40,620
Brown, Jeffrey C.	Reg. No. 41,643	Goff, Jared S.	Reg. No. 44,716
Bruess, Steven C.	Reg. No. 34,130	Goggin, Matthew J.	Reg. No. 44,125
Byrne, Linda M.	Reg. No. 32,404	Golla, Charles E.	Reg. No. 26,896
Campbell, Keith	Reg. No. 46,597	Gorman, Alan G.	Reg. No. 38,472
Carlson, Alan G.	Reg. No. 25,959	Gould, John D.	Reg. No. 18,223
Caspers, Philip P.	Reg. No. 33,227	Gregson, Richard	Reg. No. 41,804
Clifford, John A.	Reg. No. 30,247	Gresens, John J.	Reg. No. 33,112
Cook, Jeffrey	Reg. No. 48,649	Hamer, Samuel A.	Reg. No. 46,754
Daigault, Ronald A.	Reg. No. 25,968	Hamre, Curtis B.	Reg. No. 29,165

Harrison, Kevin C.	Reg. No. 46,759	Reiland, Earl D.	Reg. No. 25,767
Hertzberg, Brett A.	Reg. No. 42,660	Schmaltz, David G.	Reg. No. 39,828
Hillson, Randall A.	Reg. No. 31,838	Schuman, Mark D.	Reg. No. 31,197
Holzer, Jr., Richard J.	Reg. No. 42,668	Schumann, Michael D.	Reg. No. 30,422
Hope, Leonard J.	Reg. No. 44,774	Scull, Timothy B.	Reg. No. 42,137
Jardine, John S.	Reg. No. P-48,835	Sebald, Gregory A.	Reg. No. 33,280
Johns, Nicholas P.	Reg. No. 48,995	Skoog, Mark T.	Reg. No. 40,178
Johnston, Scott W.	Reg. No. 39,721	Spellman, Steven J.	Reg. No. 45,124
Kadieitch, Natalie D.	Reg. No. 34,196	Stewart, Alan R.	Reg. No. 47,974
Kaseburg, Frederick A.	Reg. No. 47,695	Stoll-DeBell, Kirstin L.	Reg. No. 43,164
Kettelberger, Denise	Reg. No. 33,924	Sullivan, Timothy	Reg. No. 47,981
Keys, Jeramie J.	Reg. No. 42,724	Sumner, John P.	Reg. No. 29,114
Knearl, Homer L.	Reg. No. 21,197	Swenson, Erik G.	Reg. No. 45,147
Kowalchyk, Alan W.	Reg. No. 31,535	Tellekson, David K.	Reg. No. 32,314
Kowalchyk, Katherine M.	Reg. No. 36,848	Trembath, Jon R.	Reg. No. 38,344
Lacy, Paul E.	Reg. No. 38,946	Tunheim, Marcia A.	Reg. No. 42,189
Larson, James A.	Reg. No. 40,443	Underhill, Albert L.	Reg. No. 27,403
Leonard, Christopher J.	Reg. No. 41,940	Vandenburgh, J. Derek	Reg. No. 32,179
Liepa, Mara E.	Reg. No. 40,066	Wahl, John R.	Reg. No. 33,044
Lindquist, Timothy A.	Reg. No. 40,701	Weaver, Paul L.	Reg. No. 48,640
Lown, Jean A.	Reg. No. 48,428	Welter, Paul A.	Reg. No. 20,890
Mayfield, Denise L.	Reg. No. 33,732	Whipps, Brian	Reg. No. 43,261
McDonald, Daniel W.	Reg. No. 32,044	Whitaker, John E.	Reg. No. 42,222
McIntyre, Jr., William F.	Reg. No. 44,921	Wier, David D.	Reg. No. P-48,229
Mueller, Douglas P.	Reg. No. 30,300	Williams, Douglas J.	Reg. No. 27,054
Nelson, Anna M.	Reg. No. 48,935	Withers, James D.	Reg. No. 40,376
Paley, Kenneth B.	Reg. No. 38,989	Witt, Jonelle	Reg. No. 41,980
Parsons, Nancy J.	Reg. No. 40,364	Wong, Thomas S.	Reg. No. 48,577
Pauly, Daniel M.	Reg. No. 40,123	Wu, Tong	Reg. No. 43,361
Phillips, John B.	Reg. No. 37,206	Young, Thomas	Reg. No. 25,796
Pino, Mark J.	Reg. No. 43,858	Zeuli, Anthony R.	Reg. No. 45,255
Prendergast, Paul	Reg. No. 46,068	Sako, Katie E.	Reg. No. 32,628
Pytel, Melissa J.	Reg. No. 41,512	Crouse, Daniel D.	Reg. No. 32,022
Qualey, Terry	Reg. No. 25,148		
Reich, John C.	Reg. No. 37,703		

Please direct all correspondence in this application to Christopher J. Leonard,

P.O. Box 2903, Minneapolis, MN 55402-0903, telephone 404.954.5100.

Dated: 2/27/02

By: 
 Name: Daniel D. Crouse
 Title: Assistant Secretary, Microsoft Corporation